Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
RICHARD F. CELESTE, Governor
DR. ROBERTA STEINBACHER, Administrator

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EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
JULY 1984

Summary: Ohio's seasonally adjusted unemployment rate was 8.7 percent in July, down from 9.0 percent of the civilian labor force in June. The unadjusted rate dropped from 9.0 percent in June to 8.4 percent in July, as actual unemployment was down 22,000, to 447,000. Total employment advanced 2.8 percent, to 4,845,000. Nonfarm wage and salary workers numbered 4,179,000 in July, down 1.0 percent from June. The decline was largely the result of layoffs of nonteaching school personnel in state and local government. Average weekly earnings and hours for factory workers were slightly below June levels.

Factory Employment: Ohio manufacturers employed 1,118,000 workers in July--down .3 percent from June. Durable-goods industries accounted for most of the decline. Partial shutdowns were reported in some automobile plants and scattered decreases occurred in metal forgings and stampings. Among producers of nondurable goods, employment declined in food processing, plastics production, and apparel.

Nonmanufacturing: Ohio nonmanufacturing employment dropped sharply as public and private nonteaching school personnel were furloughed for the summer. Nonfactory employment numbered 3,060,000 in July, down nearly 39,000 from June. Retail trade also showed a net decline in July. Seasonal hiring boosted employment in construction, nonschool local government, and business and health services.

Factory Hours and Earnings: Ohio's factory production workers averaged $456.04 per week in July, down nearly $4 from June. The average workweek--41.8 hours--was .3 hours shorter. Auto manufacturers reported mass vacations and some layoffs for retooling for 1985 models. Vacations and less overtime resulted in lower hours and earnings for workers in metal forgings and stampings, iron and steel foundries, and blast furnaces and basic steel works. Increased overtime lifted hours and earnings in nonferrous rolling and drawing and aircraft and parts establishments.

Over the Year: Between July 1983 and July 1984, the unadjusted unemployment rate for Ohio fell from 10.9 to 8.4 percent of the civilian labor force. Total employment advanced 2.9 percent over the year while nonfarm payrolls gained 2.4 percent. Durable-goods manufacturers accounted for nearly half of the change, although employment was up in almost every manufacturing industry. Most nonmanufacturers also showed over-the-year increases. Factory production workers averaged .8 hours per week and $.36 per hour more in July 1984 than in July 1983, lifting weekly earnings more than $23 over the year.

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EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Akron's nonagricultural wage and salary employment totaled 250,900 in July, up 1,100 from June. Seasonal increases in construction, services, and retailing accounted for the overall gain, as layoffs of local school nonteaching personnel offset a sizable increase in state government education. Manufacturing was virtually unchanged in July at 67,800. Production workers in factories earned $10.75 per hour in July, down 12¢ from June. Their average workweek was 43.6 hours, down .2 hours.

Canton.--Nonfarm establishments in Canton employed 147,900 in July, down 800 from the June level. Nonmanufacturing accounted for the decrease as summer furloughs of nonfaculty school personnel more than offset seasonal gains in construction and retail trade. Manufacturing employment, at 45,300, was unchanged from June. Factory production workers averaged $10.92 per hour for a workweek of 40.1 hours, down 7¢ and .2 hours from June.

Cincinnati.--June wage and salary employment in Cincinnati's nonagricultural industries dropped 5,700, to 589,800 in July. Most of the loss occurred in nonmanufacturing with seasonal declines in state and local government education overshadowing gains in construction and finance, insurance, and real estate. Factory employment, at 145,800 in July, was little changed from June. Factory production workers earned $10.49 per hour, down 2¢ from June. Their average workweek, at 41.2 hours, dropped .4 hours.

Cleveland.--Nonagricultural wage and salary employment in the Cleveland area dropped to 833,900 in July, down 4,700 from June. Much of the decline occurred in nonmanufacturing, due to losses in local government education, retail trade, and services. Manufacturing employment, at 209,800, was down 1,800 from the previous month. Production workers in factories grossed $10.69 per hour, down 13¢ from June. The workweek, at 41.0 hours in July, was down one hour.

Columbus.--Nonfarm payroll employment in Columbus dropped 9,200 from June, to 514,400. Despite a seasonal increase in construction, nonmanufacturing accounted for most of the change, due to declines in state and local government education. Manufacturing employment, at 88,200, was down 200 for the month. Factory production workers earned $10.24 per hour in July, down 2¢ from June. Their average workweek of 40.7 hours was unchanged.

Dayton.--Dayton's nonfarm payroll employment was down 3,100 in July, to 343,300. The decrease occurred mainly in nonmanufacturing, with losses in nonfaculty school personnel and retailing. Manufacturing employment, at 91,300, was down slightly from June. Production workers in factories earned $11.22 for a workweek of 43.0 hours in July, up 13¢ and .7 hours from June.

Toledo.--Nonagricultural wage and salary employment in Toledo declined to 286,400 in July, 4,900 below the June level. Most of the loss was due to seasonal decreases in state and local government education. Declines in nondurable-goods employment reduced manufacturing slightly to 75,000 in July. Factory production workers averaged $11.60 per hour in July, down 6¢ from June. Their workweek, at 43.2 hours, was down .1 hours.

Youngstown-Warren.--Nonfarm payroll employment in Youngstown-Warren fell 1,100 from June, to 181,600 in July. Nonmanufacturing accounted for the decline, due to seasonal cutbacks in state and local government education. Manufacturing employment rose 200 in July, to 55,800. Production workers earned $13.06 per hour in July, an increase of 21¢. Their workweek was up 1.3 hours, to 44.2.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 8-17-84

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	913.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	209.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	248.8	148.6	575.3	844.6	495.1	336.3	281.9	180.6
1983	245.0	149.6	579.7	826.0	500.0	335.4	281.0	177.6
1983								
July	245.4	144.5	573.0	832.8	498.0	331.4	277.6	178.9
August ..	244.3	143.9	571.8	825.5	496.3	331.4	277.5	177.3
September	251.3	146.1	580.8	834.9	504.9	340.7	287.3	182.3
October .	250.3	145.9	584.0	835.5	512.6	342.1	289.6	181.3
November.	251.4	146.7	585.5	835.7	514.7	343.9	291.1	182.0
December.	250.9	146.7	583.5	837.9	515.7	344.3	291.1	182.0
1984								
January .	243.2	143.3	573.1	819.0	503.8	339.3	284.3	178.4
February.	245.4	143.8	572.2	817.5	505.9	339.8	286.4	178.4
March ...	246.4	145.0	576.7	821.2	509.1	341.2	288.2	179.0
April ...	249.7	146.8	584.2	825.8	514.0	343.8	291.5	181.0
May	253.2	147.8	590.0	831.1	516.7	344.5	294.3	183.1
June	249.9	146.6	595.5	838.6	523.5	346.4	291.3	182.7
July	250.9	147.9	589.8	833.9	514.4	343.3	286.4	181.6
	MANUFACTURING EMPLOYMENT (in thousands)							
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.2	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.3	47.6	146.3	229.0	85.9	87.6	69.0	52.9
1983	65.1	43.6	140.7	207.6	84.0	86.2	69.1	53.0
1983								
July	65.5	44.3	140.0	206.2	83.5	85.2	68.9	53.9
August ..	65.6	44.1	141.8	206.5	84.3	86.1	70.0	53.1
September	66.0	44.6	141.4	209.9	85.3	88.6	72.7	55.2
October .	66.1	44.2	144.2	210.9	86.6	88.7	73.2	54.9
November.	66.4	44.8	144.8	211.6	86.8	89.8	73.9	55.2
December.	66.2	44.9	141.7	212.1	86.2	90.2	74.0	55.6
1984								
January .	66.1	44.7	143.2	211.6	86.2	90.4	74.6	55.8
February.	66.5	44.9	143.3	211.2	87.0	90.9	75.5	55.6
March ...	66.7	45.5	144.1	211.6	87.0	91.1	75.7	55.4
April ...	67.0	45.4	144.6	210.6	87.4	91.4	75.8	55.8
May	67.5	45.3	145.0	210.9	87.2	91.2	75.7	55.8
June	67.9	45.3	145.9	211.6	88.4	91.4	75.5	55.6
July	67.8	45.3	145.8	209.8	88.2	91.3	75.0	55.8

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b]Akron includes Portage and Summit Counties. [c]Canton includes Carroll and Stark Counties. [d]Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e]Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f]Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h]Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigen. [j]Youngstown-Warren includes Mahoning and Trumbull Counties.

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Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	69.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	36.9	33.3	95.5	141.8	55.1	55.6	45.2	38.1
1983	35.6	30.8	92.2	132.1	54.2	54.9	47.2	39.9
1983								
July	35.8	31.3	91.4	130.4	53.8	53.7	47.0	40.2
August ..	36.1	31.2	93.4	131.2	54.5	54.4	48.3	38.4
September	36.4	31.6	93.1	134.8	55.5	57.0	50.9	41.7
October .	36.5	31.4	95.9	135.8	56.7	57.4	51.6	41.5
November.	37.0	31.9	96.8	136.7	56.8	58.3	52.5	41.8
December.	36.8	32.1	93.8	137.0	56.6	58.7	52.7	42.2
1984								
January .	36.8	31.7	95.4	136.5	56.8	58.8	53.3	42.3
February.	37.1	31.8	95.5	136.3	57.4	59.3	54.2	42.2
March ...	37.1	32.4	96.3	136.7	57.3	59.3	54.4	42.1
April ...	37.4	32.4	96.5	135.6	57.7	59.7	54.6	42.4
May	37.7	32.3	96.5	135.7	57.5	59.4	54.5	42.4
June	37.8	32.3	97.3	136.3	58.6	59.5	54.3	42.2
July	37.6	32.2	97.0	134.3	58.4	59.1	53.7	42.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.6
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1983	43.1	39.6	41.1	40.9	40.7	41.9	42.9	42.1
1983								
July	42.4	38.8	40.9	40.6	40.5	42.1	41.9	42.7
August ..	42.9	39.2	40.8	41.0	40.5	42.1	42.6	41.3
September	43.5	40.8	41.3	41.7	40.8	43.0	43.9	42.4
October .	43.2	40.2	41.3	41.5	41.0	42.7	43.9	43.9
November.	44.0	40.7	42.0	41.8	41.6	42.8	44.5	43.6
December.	45.5	40.8	42.4	42.3	42.3	43.9	44.5	43.2
1984								
January .	43.9	40.4	41.7	41.9	41.2	43.2	43.1	44.7
February.	43.9	41.0	41.5	42.2	40.4	42.8	43.5	43.8
March ...	43.7	40.8	41.8	42.3	40.4	42.8	43.8	44.9
April ...	43.8	40.5	42.1	42.3	40.5	43.0	43.7	43.5
May	43.4	40.6	41.6	42.0	40.5	42.3	43.7	43.3
June	43.8	40.3	41.6	42.0	40.7	42.3	43.3	42.9
July	43.6	40.1	41.2	41.0	40.7	43.0	43.2	44.2

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Labor Market Information Division
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EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1973	$ 4.99	$ 4.80	$ 4.44	$ 4.89	$ 4.36	$ 5.00	$ 5.01	$ 5.29
1974	5.28	5.24	4.82	5.21	4.79	5.29	5.39	5.60
1975	5.66	5.64	5.19	5.69	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.89	10.22	9.57	10.10	9.31	10.02	10.09	11.72
1983	10.49	10.66	10.11	10.45	9.97	10.61	11.28	12.38
1983								
July	10.35	10.59	10.12	10.43	10.04	10.72	11.16	12.54
August ..	10.40	10.75	10.18	10.42	9.95	10.58	11.25	12.25
September	10.61	10.84	10.10	10.57	10.06	10.80	11.40	12.40
October .	10.82	10.78	10.29	10.55	10.11	10.86	11.43	12.58
November.	10.85	10.84	10.34	10.62	10.14	10.91	11.57	12.54
December.	11.01	10.88	10.29	10.68	10.35	11.11	11.57	12.68
1984								
January .	10.77	10.85	10.39	10.70	10.33	11.07	11.42	12.89
February.	10.75	10.91	10.37	10.76	10.23	11.04	11.48	12.66
March ...	10.79	10.89	10.45	10.81	10.20	11.12	11.58	13.09
April ...	10.76	10.90	10.58	10.82	10.22	11.12	11.58	12.88
May	10.82	11.04	10.50	10.83	10.30	11.03	11.57	12.86
June	10.87	10.99	10.51	10.82	10.26	11.09	11.66	12.85
July	10.75	10.92	10.49	10.69	10.24	11.22	11.60	13.06
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1973	$214.57	$196.80	$187.37	$208.66	$177.89	$216.50	$215.93	$226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	280.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.05	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1983	452.12	422.14	415.52	427.41	405.78	444.56	483.91	521.20
1983								
July	438.84	410.89	413.91	423.46	406.62	451.31	467.60	535.46
August ..	446.16	421.40	415.34	427.22	402.98	445.42	479.25	505.93
September	461.54	442.27	417.13	440.77	410.45	464.40	500.46	525.76
October .	467.42	433.36	422.50	437.83	414.51	469.72	501.78	552.26
November.	477.40	441.19	434.28	443.92	421.82	466.95	514.67	546.74
December.	500.96	443.90	436.30	451.76	437.81	487.73	514.87	547.78
1984								
January .	472.80	438.34	433.26	448.33	425.60	478.22	492.20	576.18
February.	471.93	447.31	430.36	454.07	419.29	472.51	499.38	554.51
March ...	471.52	444.31	436.81	457.26	412.08	475.94	507.20	587.74
April ...	471.29	441.45	445.42	457.69	419.91	478.16	506.05	560.28
May	469.59	448.22	436.80	454.86	417.15	466.57	505.61	556.84
June	476.11	442.90	437.22	454.44	417.58	469.11	504.88	551.27
July	468.70	437.89	432.19	438.29	416.77	482.46	501.12	577.25

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Columbus 43216

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CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
	AKRON[b]					CANTON[c]			
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	304.5	278.3	26.2	8.6	1980	187.7	170.9	16.8	8.9
1981	304.1	274.9	29.1	9.6	1981	188.4	170.1	18.2	9.7
1982	303.9	268.0	35.9	11.8	1982	191.4	164.3	27.0	14.1
1983	304.4	267.0	37.4	12.3	1983	188.4	160.7	27.6	14.7
1983					1983				
June	307.6	268.8	38.8	12.6	June	192.7	163.9	28.7	14.9
July	313.6	279.8	33.8	10.8	July	193.1	168.9	24.2	12.5
August	309.1	276.9	32.2	10.4	August	191.0	167.0	24.0	12.6
September	305.1	271.4	33.7	11.1	September	186.6	162.2	24.3	13.0
October	308.4	274.5	33.8	11.0	October	189.2	164.6	24.6	13.0
November	309.7	274.2	35.5	11.5	November	189.5	164.4	25.1	13.2
December	304.9	270.4	34.6	11.3	December	186.0	162.4	23.6	12.7
1984					1984				
January	297.5	264.3	33.2	11.2	January	182.3	159.8	22.5	12.3
February	298.6	263.8	34.8	11.6	February	180.7	158.9	21.9	12.1
March	297.9	262.4	35.5	11.9	March	181.7	158.7	23.0	12.6
April	300.3	268.4	31.9	10.6	April	182.6	162.1	20.5	11.2
May	305.5	274.5	31.1	10.2	May	185.6	164.8	20.9	11.2
June[p]	306.8	277.7	29.0	9.5	June[p]	188.1	169.1	18.9	10.1
	CINCINNATI[d]					CLEVELAND[e]			
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.1	68.0	7.3
1981	678.5	619.3	59.1	8.7	1981	933.9	854.0	79.8	8.5
1982	682.0	610.4	71.6	10.5	1982	933.4	833.2	100.2	10.7
1983	686.5	615.4	71.1	10.4	1983	930.7	824.7	105.9	11.4
1983					1983				
June	703.2	627.2	76.0	10.8	June	962.0	845.0	117.0	12.2
July	703.4	637.1	66.2	9.4	July	966.5	867.1	99.3	10.3
August	696.4	632.8	63.6	9.1	August	955.0	857.0	98.0	10.3
September	685.5	619.2	66.4	9.7	September	925.8	826.4	99.4	10.7
October	691.5	630.0	61.5	8.9	October	936.6	840.1	96.6	10.3
November	693.2	629.0	64.2	9.3	November	935.3	836.6	98.7	10.6
December	684.3	622.5	61.9	9.0	December	917.5	828.3	89.3	9.7
1984					1984				
January	679.0	616.0	62.9	9.3	January	899.5	815.9	83.7	9.3
February	670.2	611.3	58.9	8.8	February	887.4	806.6	80.8	9.1
March	672.1	612.2	59.9	8.9	March	890.2	802.3	87.9	9.9
April	683.0	624.9	58.1	8.5	April	896.6	813.7	83.0	9.3
May	695.0	635.0	60.0	8.6	May	913.9	825.6	88.3	9.7
June[p]	710.0	651.2	58.7	8.3	June[p]	933.4	851.1	82.3	8.8

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b]Defined as Portage and Summit Counties. [c]Defined as Carroll and Stark Counties. [d]Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e]Defined as Cuyahoga, Geauga, Lake, and Medina Counties.
[p]Preliminary.

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1973	485.5	468.3	17.1	3.5
1974	495.4	475.5	19.9	4.0
1975	495.0	458.6	36.5	7.4
1976	503.6	468.5	35.1	7.0
1977	513.4	483.3	30.1	5.9
1978	531.4	506.5	24.9	4.7
1979	543.0	517.1	25.8	4.8
1980	554.7	523.4	31.4	5.7
1981	562.4	519.1	43.3	7.7
1982	567.4	516.4	51.0	9.0
1983	579.1	527.4	51.7	8.9
1983				
June	594.3	537.2	57.1	9.6
July	599.8	549.2	50.7	8.4
August	591.8	544.6	47.2	8.0
September	577.9	528.9	49.0	8.5
October	594.3	545.1	49.2	8.3
November	594.7	544.2	50.5	8.5
December	585.3	537.9	47.4	8.1
1984				
January	575.1	529.6	45.4	7.9
February	570.0	526.7	43.2	7.6
March	571.3	525.2	46.0	8.1
April	580.3	535.2	45.1	7.8
May	590.4	543.9	46.5	7.9
June[p]	603.8	560.1	43.7	7.2
TOLEDO[h]				
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.8	319.4	28.4	8.2
1977	355.0	329.4	25.6	7.2
1978	362.1	339.7	22.4	6.2
1979	368.2	341.7	26.4	7.2
1980	368.2	329.8	38.4	10.4
1981	367.4	328.0	39.4	10.7
1982	368.7	322.7	46.1	12.5
1983	374.2	326.9	47.2	12.6
1983				
June	380.6	332.0	48.6	12.8
July	382.1	337.7	44.4	11.6
August	379.2	335.1	44.1	11.6
September	374.8	331.9	42.9	11.5
October	380.0	338.3	41.7	11.0
November	381.3	337.5	43.8	11.5
December	372.5	331.9	40.5	10.9
1984				
January	366.1	327.4	38.6	10.6
February	365.7	327.7	38.0	10.4
March	367.3	327.8	39.5	10.8
April	372.0	335.2	36.8	9.9
May	378.2	342.1	36.1	9.5
June	INA	INA	INA	INA

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
DAYTON[g]				
1973	358.0	343.5	14.5	4.1
1974	359.5	342.5	17.0	4.7
1975	357.6	327.7	29.9	8.4
1976	360.5	336.3	24.2	6.7
1977	368.6	348.3	20.3	5.5
1978	381.1	363.7	17.3	4.6
1979	392.2	367.9	24.2	6.2
1980	390.2	361.0	29.2	7.5
1981	390.8	357.9	32.8	8.4
1982	391.8	347.1	44.7	11.4
1983	390.6	350.7	39.9	10.2
1983				
June	400.1	356.8	43.2	10.8
July	400.0	362.6	37.4	9.4
August	396.5	359.4	37.1	9.3
September	389.5	353.7	35.7	9.2
October	395.4	360.8	34.7	8.8
November	396.8	360.3	36.5	9.2
December	388.0	355.5	32.5	8.4
1984				
January	385.5	353.0	32.5	8.4
February	383.7	350.3	33.4	8.7
March	383.4	348.5	34.9	9.1
April	387.1	354.5	32.6	8.4
May	391.4	358.8	32.6	8.3
June[p]	399.3	368.6	30.6	7.7
YOUNGSTOWN-WARREN[i]				
1973	232.5	221.8	10.8	4.6
1974	236.7	223.7	13.0	5.5
1975	236.7	209.8	26.9	11.4
1976	234.2	210.5	23.7	10.1
1977	234.0	215.0	19.0	8.1
1978	235.2	217.5	17.7	7.5
1979	237.1	219.9	17.1	7.2
1980	238.9	210.5	28.4	11.9
1981	234.0	205.7	28.2	12.1
1982	237.0	190.3	46.6	19.7
1983	227.3	189.6	37.8	16.6
1983				
June	233.8	193.5	40.3	17.2
July	233.4	199.5	33.9	14.5
August	232.6	196.2	36.4	15.6
September	226.7	193.1	33.6	14.8
October	227.0	195.5	31.5	13.9
November	227.9	195.2	32.7	14.4
December	222.4	192.2	30.2	13.6
1984				
January	218.3	189.7	28.6	13.1
February	214.6	188.2	26.4	12.3
March	215.3	186.8	28.5	13.2
April	216.3	190.5	25.8	11.9
May	220.3	194.4	25.9	11.8
June[p]	221.7	197.9	23.8	10.7

[a]Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f]Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g]Defined as Greene, Miami, Montgomery, and Preble Counties. [h]Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i]Defined as Mahoning and Trumbull Counties.
[p]Preliminary. INA—Information not available.

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1973	4,621	4,429	192	4.2	4.9
1974	4,708	4,489	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,744	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,798	258	5.9	5.8
1980	5,088	4,661	427	8.4	7.1
1981	5,098	4,606	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,110	4,488	622	12.2	9.6
1983					
July	5,287	4,710	577	10.9	9.4
August ..	5,229	4,666	563	10.8	9.2
September	5,108	4,541	567	11.1	8.8
October .	5,159	4,611	548	10.6	8.4
November.	5,146	4,582	564	11.0	8.1
December.	5,040	4,513	528	10.5	8.0
1984					
January .	4,964	4,452	512	10.3	8.8
February.	4,925	4,426	499	10.1	8.4
March ...	4,940	4,415	525	10.6	8.1
April ...	4,996	4,506	489	9.8	7.6
May	5,086	4,593	493	9.7	7.2
June	5,189	4,715	469	9.0	7.4
July	5,292	4,845	447	8.4	7.5

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,044.5	1,245.3	2,799.2
1977	4,290.1	1,344.1	2,885.0
1978	4,394.6	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,124.2	1,099.9	3,024.4
1983	4,083.8	1,066.9	3,017.0
1983			
July	4,082.0	1,062.2	3,019.8
August ..	4,074.0	1,074.7	2,999.3
September	4,157.0	1,094.3	3,062.7
October .	4,170.0	1,099.1	3,070.9
November.	4,177.5	1,104.4	3,073.1
December.	4,176.1	1,101.9	3,074.2
1984			
January .	4,083.3	1,101.0	2,982.3
February.	4,095.2	1,108.2	2,987.0
March ...	4,120.3	1,113.2	3,007.1
April ...	4,162.8	1,114.7	3,048.1
May	4,200.0	1,117.7	3,082.3
June	4,220.4	1,121.5	3,098.9
July	4,178.7	1,118.4	3,060.2

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	668.7	613.1
1975	26.8	154.9	213.2	209.5	664.5	173.1	686.9	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	709.2	632.2
1977	29.1	162.8	219.1	214.6	709.1	183.4	731.4	642.9
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.3	134.6	206.8	226.0	709.4	206.4	867.3	659.6
1983	26.6	128.6	197.3	219.6	709.3	209.6	874.6	657.5
1983								
July	27.4	140.8	201.5	221.4	709.8	212.2	883.2	629.4
August ..	27.4	142.2	184.6	221.3	712.4	212.3	883.0	616.2
September	27.5	144.6	201.0	221.2	714.8	211.8	891.3	650.4
October .	27.5	145.0	200.7	221.5	709.6	211.5	888.8	666.3
November.	27.4	140.9	199.6	221.1	717.8	211.5	884.2	670.6
December.	27.1	130.9	200.2	221.3	730.4	212.1	880.7	671.5
1984								
January .	27.0	115.0	199.1	218.3	639.6	210.8	868.3	656.3
February.	26.7	111.8	199.1	217.9	682.4	210.3	875.0	669.3
March ...	27.2	114.5	199.8	218.9	688.6	210.7	882.2	671.2
April ...	27.4	123.6	196.0	220.2	704.1	211.8	894.4	670.5
May	27.9	131.5	198.4	221.6	715.4	212.6	902.9	672.7
June	28.2	138.8	200.1	223.2	721.9	214.8	910.1	669.8
July	28.2	142.4	200.0	223.6	718.8	215.7	905.1	625.3

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1973	1,426.3	1,018.2	408.1	1,046.7	$210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,099.9	752.4	347.5	735.7	297.1	29.5
1983	1,066.9	723.6	343.3	721.7	315.7	29.9
1983						
July	1,062.2	720.2	341.9	715.9	309.7	29.4
August ..	1,074.7	728.4	346.3	729.3	316.1	30.0
September	1,094.3	740.8	353.5	749.0	335.5	31.5
October .	1,099.1	748.1	351.0	755.4	340.1	31.7
November.	1,104.4	752.9	351.4	761.9	348.7	32.4
December.	1,101.9	749.8	352.0	760.2	352.4	32.5
1984						
January .	1,101.0	750.4	350.5	758.6	349.5	32.2
February.	1,108.2	756.9	351.3	765.6	351.5	32.5
March ...	1,113.2	760.9	352.4	769.9	357.3	32.7
April ...	1,114.7	762.0	352.7	771.7	359.1	32.8
May	1,117.7	764.2	353.5	773.5	355.6	32.6
June	1,121.5	766.1	355.4	776.0	356.7	32.7
July	1,118.4	764.1	354.4	771.3	351.7	32.2

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1973	$201.35	$207.95	$185.89	42.3	42.7	41.4	$ 4.76	$ 4.87	$ 4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.89	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.96	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1983	437.18	452.35	402.52	41.4	41.5	41.2	10.56	10.90	9.77
1983									
July	432.55	445.67	403.60	41.0	41.0	41.1	10.55	10.87	9.82
August ..	433.42	445.52	403.50	41.2	41.1	41.3	10.52	10.84	9.77
September	447.94	463.52	410.62	42.1	42.1	41.9	10.64	11.01	9.80
October .	450.24	468.68	408.78	42.0	42.3	41.5	10.72	11.08	9.85
November.	457.73	475.68	413.97	42.5	42.7	41.9	10.77	11.14	9.88
December.	463.52	483.15	419.05	42.8	43.1	42.2	10.83	11.21	9.93
1984									
January .	460.70	479.52	418.05	42.5	42.7	42.1	10.84	11.23	9.93
February.	459.19	478.67	414.24	42.4	42.7	41.8	10.83	11.21	9.91
March ...	464.10	484.50	417.32	42.5	42.8	41.9	10.92	11.32	9.96
April ...	465.38	483.79	420.26	42.5	42.7	41.9	10.95	11.33	10.03
May	459.73	477.99	413.17	42.1	42.3	41.4	10.92	11.30	9.98
June	459.73	478.41	414.59	42.1	42.3	41.5	10.92	11.31	9.99
July	456.04	473.34	414.24	41.8	42.0	41.3	10.91	11.27	10.03

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1973	73.3	173.3	175.2	213.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.3	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.7	104.5	130.9	153.1	90.2	131.6	64.5	62.3	82.4
1983									
July	53.3	103.0	129.4	152.1	89.7	131.6	64.0	61.9	82.1
August ..	54.0	105.1	132.2	152.6	89.6	132.8	66.4	61.9	83.5
September	54.8	107.4	134.6	154.8	91.5	134.8	69.5	62.6	85.6
October .	54.9	108.0	136.5	154.5	92.4	138.8	66.4	62.6	86.4
November.	55.0	109.8	137.8	155.3	92.4	139.9	65.2	62.8	87.4
December.	53.7	110.3	137.3	155.5	91.9	138.5	65.2	63.0	87.5
1984									
January .	52.9	110.6	137.7	156.6	91.8	138.4	64.5	62.8	87.9
February.	53.4	111.1	137.6	157.2	92.8	141.3	64.1	62.8	88.7
March ...	54.0	112.2	137.8	158.5	93.7	140.9	64.1	63.1	88.8
April ...	54.1	111.7	138.4	159.2	93.3	141.2	64.6	63.1	89.3
May	55.0	111.1	139.6	160.0	92.8	141.6	64.8	63.2	89.2
June	55.5	111.6	139.9	159.2	92.9	141.9	65.9	63.1	89.5
July	55.5	111.2	139.1	158.7	93.3	141.0	65.3	63.5	88.9
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1973	$189.03	$228.72	$204.67	$208.80	$176.23	$241.01	$188.94	$203.06	$193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	273.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1983									
July	403.44	496.50	447.79	420.09	390.34	543.97	412.29	369.27	409.96
August ..	401.64	492.83	449.35	421.14	395.60	541.80	409.04	371.35	407.11
September	409.18	522.49	471.28	431.09	406.39	570.49	415.86	378.00	422.18
October .	412.17	514.19	479.45	436.31	408.04	581.79	396.89	384.94	425.87
November.	415.33	520.38	490.31	450.24	411.27	586.64	410.98	392.18	421.20
December.	421.16	525.79	505.52	463.54	415.17	588.60	420.30	393.97	422.61
1984									
January .	419.33	525.39	486.86	468.27	409.59	585.09	409.64	391.40	429.44
February.	417.08	540.99	485.57	468.07	420.51	565.46	411.04	391.30	429.96
March ...	417.49	538.90	482.08	467.18	416.66	602.94	416.79	386.45	425.97
April ...	420.93	540.58	486.06	468.93	420.21	593.18	424.27	388.22	424.45
May	416.90	537.63	477.70	462.87	420.24	582.56	416.75	384.29	415.16
June	429.26	540.18	473.76	462.01	412.70	591.40	425.00	380.00	418.28
July	423.85	533.40	462.04	459.43	407.64	588.26	418.74	379.86	416.23

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	4178.7	4220.4	4082.0	- 1.0	2.4
MANUFACTURING	1118.4	1121.5	1062.2	- .3	5.3
Durable Goods[e]	764.1	766.1	720.2	- .3	6.1
Lumber and wood products	16.2	16.1	14.5	.2	11.7
Furniture and fixtures	13.4	13.7	13.3	- 2.3	.7
Household furniture	5.7	6.0	6.2	- 5.2	- 7.7
Stone, clay, and glass products	55.5	55.5	53.3	- .1	4.1
Glass and glassware, pressed or blown	13.9	14.0	13.6	- .3	2.4
Structural clay products	4.9	4.9	4.9	.6	- .1
Pottery and related products	5.6	5.7	5.6	- 1.8	.2
Primary metal industries	111.2	111.6	103.0	- .3	8.0
Blast furnace and basic steel products	54.8	55.2	52.0	- .7	5.4
Iron and steel foundries	22.0	21.9	19.6	.3	12.3
Nonferrous rolling and drawing	18.7	18.7	18.0	.0	3.8
Nonferrous foundries	9.3	9.3	7.9	- .2	18.0
Fabricated metal products	139.1	139.9	129.4	- .6	7.5
Cutlery, hand tools, and hardware	11.0	11.2	11.0	- 2.0	- .3
Plumbing and heating, except electric	4.9	5.0	4.0	- 2.9	21.9
Fabricated structural metal products	29.5	29.2	28.6	.8	3.2
Screw machine products, bolts, etc.	8.8	8.9	8.4	- 1.2	4.2
Metal forgings and stampings	43.0	43.7	38.5	- 1.4	11.7
Machinery, except electrical	158.7	159.2	152.1	- .3	4.4
Construction and related machinery	15.7	15.8	17.4	- .9	- 9.7
Metalworking machinery	39.0	39.0	38.1	.1	2.5
Special industry machinery	17.1	16.8	15.9	1.4	7.0
General industrial machinery	32.1	32.1	29.6	.2	8.4
Electric and electronic equipment	93.3	92.9	89.7	.4	4.0
Electrical industrial apparatus	19.3	19.1	18.5	.6	4.0
Household appliances	16.8	16.2	16.0	3.8	5.1
Electric lighting and wiring equipment	18.3	18.5	17.8	- 1.1	3.2
Communication equipment	10.1	10.2	10.1	- .8	- .1
Transportation equipment	141.0	141.9	131.6	- .6	7.1
Motor vehicles and equipment	93.6	94.9	86.6	- 1.4	8.1
Aircraft and parts	39.2	38.8	37.1	.9	5.7
Instruments and related products	21.6	21.4	20.1	.7	7.3
Measuring and controlling devices	12.6	12.4	11.8	1.6	7.1
Nondurable Goods[f]	354.4	355.4	341.9	- .3	3.6
Food and kindred products	65.3	65.9	64.0	- .9	2.0
Meat products	10.7	10.7	9.8	.2	9.2
Dairy products	10.5	10.6	10.4	- .2	1.3
Bakery products	10.3	10.3	10.0	.1	3.1
Beverages	10.5	10.7	10.5	- 1.4	.0
Textile mill products	4.6	4.6	4.3	- .1	6.9
Apparel and other textile products	17.2	17.5	16.3	- 1.6	5.6
Paper and allied products	35.6	35.7	34.6	- .2	2.8
Paper mills, except building paper	9.7	9.6	9.0	1.0	7.3
Misc. converted paper products	11.6	11.5	11.3	.3	2.6
Paperboard containers and boxes	11.6	11.6	11.4	- .2	1.8
Printing and publishing	63.5	63.1	61.9	.7	2.7
Newspapers	18.1	18.0	18.0	.5	.9
Commercial printing	23.2	23.2	22.3	.3	4.1
Chemicals and allied products	64.7	64.7	63.8	- .1	1.4
Industrial inorganic chemicals	11.5	11.5	11.2	.6	2.7
Plastics materials and synthetics	8.8	8.8	8.8	- .1	- .3
Petroleum and coal products	9.8	9.7	9.8	1.0	.0
Rubber and misc. plastics products	88.4	89.5	82.1	- .6	8.3
Tires and inner tubes	20.6	20.6	20.2	- .2	2.1
Miscellaneous plastics products	47.5	47.8	42.9	- .6	10.6
Leather and leather products	4.7	4.7	5.1	.4	- 8.0

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$456.04	$453.73	$432.55	41.8	42.1	41.0	$10.91	$10.92	$10.55
Durable Goods[d]	473.94	478.41	445.67	42.0	42.3	41.0	11.27	11.31	10.87
Lumber and wood products	300.85	301.73	288.55	40.6	40.5	39.8	7.41	7.45	7.25
Furniture and fixtures	318.37	318.77	305.27	40.3	40.3	39.8	7.90	7.91	7.67
Household furniture	275.37	283.02	270.66	39.2	39.2	39.0	7.04	7.22	6.94
Stone, clay, and glass products	423.85	429.26	403.44	41.8	41.7	41.0	10.14	10.15	9.84
Glass and glassware, pressed or blown	440.80	448.26	424.14	40.7	40.9	39.9	10.38	10.36	10.63
Structural clay products	319.01	318.01	297.60	41.7	41.3	40.0	7.65	7.70	7.44
Pottery and related products	342.88	338.72	322.01	38.7	38.8	37.4	8.86	8.73	8.61
Primary metal industries	533.40	540.16	496.50	42.0	42.5	40.3	12.70	12.71	12.32
Blast furnace and basic steel products	533.26	542.34	501.54	40.8	41.4	39.0	13.07	13.10	12.86
Iron and steel foundries	509.22	544.62	494.32	41.4	43.5	41.4	12.30	12.52	11.94
Nonferrous rolling and drawing	624.02	566.60	519.74	44.1	42.6	40.7	14.15	13.77	12.77
Nonferrous foundries	417.85	420.12	399.59	43.8	43.9	42.6	9.54	9.57	9.38
Fabricated metal products	462.54	473.76	447.79	41.7	42.3	41.5	11.08	11.20	10.79
Cutlery, hand tools, and hardware	461.34	462.44	456.60	39.6	39.9	40.3	11.65	11.59	11.33
Plumbing and heating, except electric	382.44	388.58	323.53	41.3	42.1	38.7	9.26	9.23	8.36
Fabricated structural metal products	417.06	415.00	414.59	42.0	41.5	41.5	9.93	10.00	9.99
Screw machine products, bolts, etc.	385.43	393.76	364.70	41.4	42.8	39.3	9.31	9.20	9.28
Metal forgings and stampings	555.35	589.19	531.29	42.2	44.2	42.3	13.16	13.33	12.56
Machinery, except electrical	459.43	462.01	420.09	42.5	42.7	40.2	10.81	10.82	10.45
Construction and related machinery	410.17	414.72	407.59	39.9	40.5	38.2	10.28	10.24	10.67
Metalworking machinery	433.96	435.54	396.17	41.6	42.0	38.5	10.41	10.37	10.29
Special industry machinery	459.08	457.60	404.09	44.1	44.0	40.9	10.41	10.40	9.88
General industrial machinery	442.08	456.92	407.55	41.2	41.5	39.8	10.73	11.01	10.24
Electric and electronic equipment	407.64	412.70	390.94	40.4	40.7	40.2	10.09	10.14	9.71
Electrical industrial apparatus	410.94	402.21	357.50	41.3	41.0	38.4	9.95	9.81	9.31
Household appliances	420.25	419.31	412.50	40.1	39.4	40.6	10.48	10.49	10.16
Electric lighting and wiring equipment	394.00	412.64	380.30	40.0	41.1	40.5	9.85	10.04	9.39
Communication equipment	449.21	477.73	451.96	41.0	43.0	42.2	10.81	11.11	10.71
Transportation equipment	588.26	591.40	543.97	43.9	44.2	42.9	13.40	13.38	12.68
Motor vehicles and equipment	613.66	624.18	566.81	44.5	45.1	43.5	13.79	13.84	13.03
Aircraft and parts	541.34	512.86	492.19	43.1	41.9	41.5	12.56	12.24	11.86
Instruments and related products	312.44	315.20	305.73	39.7	40.0	39.5	7.87	7.88	7.74
Measuring and controlling devices	300.70	305.37	302.25	38.9	39.2	38.7	7.73	7.79	7.81
Nondurable Goods[e]	414.24	414.59	403.60	41.3	41.5	41.1	10.03	9.99	9.82
Food and kindred products	418.74	425.00	412.29	42.0	42.5	42.2	9.97	10.00	9.77
Meat products	389.16	394.42	405.57	41.4	41.3	41.3	9.40	9.55	9.82
Dairy products	418.61	416.28	415.98	43.2	43.3	44.3	9.69	9.66	9.39
Bakery products	461.42	453.61	418.40	42.1	41.2	40.7	10.96	11.01	10.28
Beverages	374.69	415.29	364.50	39.4	42.5	40.5	9.51	9.77	9.00
Textile mill products	327.38	326.36	296.27	41.1	41.0	40.2	7.98	7.96	7.37
Apparel and other textile products	240.87	240.31	231.86	37.0	37.2	37.4	6.51	6.46	6.20
Paper and allied products	449.96	440.50	433.06	44.2	43.7	44.1	10.18	10.08	9.82
Paper mills, except building paper	555.31	541.88	540.08	47.1	46.0	48.7	11.79	11.78	11.09
Misc. converted paper products	418.07	405.29	383.24	44.1	43.3	42.3	9.48	9.36	9.06
Paperboard containers and boxes	384.89	384.44	388.16	41.7	42.2	42.1	9.23	9.11	9.22
Printing and publishing	379.86	380.00	369.27	38.1	38.0	37.3	9.97	10.00	9.90
Newspapers	327.03	322.74	314.59	33.1	33.0	32.2	9.88	9.78	9.77
Commercial printing	395.97	392.83	384.33	40.2	39.6	39.0	9.85	9.92	9.87
Chemicals and allied products	471.17	479.39	454.84	40.9	41.2	41.5	11.52	11.49	10.96
Industrial inorganic chemicals	512.51	512.51	492.80	41.6	41.6	42.3	12.32	12.32	11.65
Plastics materials and synthetics	535.26	529.74	501.40	44.2	43.6	43.6	12.11	12.15	11.50
Petroleum and coal products	600.10	588.13	603.50	42.5	41.8	43.2	14.12	14.07	13.97
Rubber and misc. plastics products	416.23	418.26	409.36	42.3	42.9	41.9	9.84	9.75	9.77
Tires and inner tubes	603.37	608.97	543.37	46.2	46.7	43.4	13.06	13.04	12.52
Miscellaneous plastics products	396.98	398.56	396.74	41.7	42.4	41.5	9.52	9.40	9.56
Leather and leather products	220.37	221.55	210.37	41.5	42.2	38.6	5.31	5.25	5.45

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JULY 1984 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
NONMANUFACTURING	3060.2	3098.9	3019.8	- 1.2	1.3
MINING	28.2	28.2	27.4	.2	2.9
Bituminous coal and lignite mining	12.0	12.0	11.7	- .1	1.9
CONSTRUCTION	143.4	138.8	140.8	3.3	1.8
General building contractors	35.8	34.4	34.8	4.2	3.1
Heavy construction contractors	24.6	23.7	22.5	3.5	9.1
TRANSPORTATION AND PUBLIC UTILITIES	200.0	200.1	201.5	.0	- .7
Railroad transportation	19.5	19.4	19.7	.5	- 1.0
Transportation, except railroads	88.6	88.8	87.1	- .3	1.7
Trucking and warehousing	62.7	62.9	62.6	- .3	.2
Communication, electric, gas services	92.0	91.9	94.7	.1	- 2.9
Communication	51.9	51.9	53.9	- .1	- 3.7
Electric, gas, and sanitary services	40.1	39.9	40.8	.3	- 1.8
WHOLESALE TRADE	223.6	223.2	221.4	.2	1.0
Wholesale trade-durable goods	139.7	139.5	138.4	.2	.9
Motor vehicles & automotive equipment	20.4	20.4	20.3	.3	.7
Electrical goods	18.8	18.8	18.6	- .1	1.0
Machinery, equipment, and supplies	58.5	58.2	58.0	.6	.9
Wholesale trade-nondurable goods	83.9	83.8	82.9	.1	1.1
Groceries and related products	26.4	26.4	25.8	.1	2.3
RETAIL TRADE	718.8	721.9	709.8	- .4	1.3
General merchandise stores	110.3	110.1	108.2	.2	2.0
Department stores	101.7	101.4	99.4	.3	2.3
Food stores	119.3	118.8	117.3	.4	1.7
Automotive dealers & service stations	76.1	76.1	76.1	.0	.0
Apparel and accessory stores	32.7	32.9	33.0	- .6	- 1.0
FINANCE, INSURANCE, AND REAL ESTATE	215.7	214.8	212.2	.4	1.7
Banking	57.8	57.7	59.1	.2	- 2.1
Credit agencies other than banks	32.6	32.5	31.7	.3	2.9
Insurance carriers	59.6	59.5	59.4	.3	.3
SERVICES	905.1	912.1	883.2	- .8	2.5
Hotels and other lodging places	30.4	30.5	30.7	- .2	- .7
Laundry, cleaning, & garment services	16.5	16.6	16.4	- 1.1	.4
Business services	137.0	136.3	129.9	.5	5.4
Health services	330.4	329.9	322.8	.2	2.4
Hospitals	179.1	178.3	177.2	.5	1.1
GOVERNMENT	625.3	659.8	623.4	- 5.2	.3
Federal government	91.6	91.2	89.5	.6	2.3
State government	123.6	137.1	124.3	- 9.9	- .6
State government, except education	70.8	70.4	71.9	.6	- 1.4
State government education[i]	52.8	66.7	52.5	- 20.9	.6
Local government	410.1	431.6	409.6	- 5.0	.1
Local government, except education	191.0	186.6	197.1	2.4	- 3.1
Local government education	219.1	245.0	212.5	- 10.6	3.1

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures. [h]Depressed due to labor-management disputes, [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 8-15-84

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JULY 1964 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1964[b]	June 1964[c]	July 1963[c]	July 1964[b]	June 1964[c]	July 1963[c]	July 1964[b]	June 1964[c]	July 1963[c]
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
MINING	$487.14	$449.36	$468.81	44.0	44.5	43.3	$11.09	$11.19	$10.67
Bituminous coal and lignite mining	601.23	615.4	569.34	42.6	43.1	42.8	14.18	14.28	13.62
CONSTRUCTION	597.59	608.24	589.06	38.6	38.1	37.9	15.48	15.51	15.40
General building contractors	544.39	532.68	537.41	38.5	38.9	38.5	14.14	14.18	14.06
Heavy construction contractors	586.90	609.30	577.38	40.4	40.2	39.0	14.96	15.00	14.81
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Railroad transportation	.....	.....	.....	....	....	....	....	....	....
Transportation, except railroads	.....	.....	.....	....	....	....	....	....	....
Trucking and warehousing	439.69	457.99	453.84	36.9	36.9	36.6	12.38	12.41	12.40
Communication, electric, gas services	494.50	489.27	462.18	42.8	42.6	40.4	12.12	12.05	11.44
Communication	492.65	488.71	455.54	40.3	40.6	40.3	12.05	12.02	11.96
Electric, gas, and sanitary services	496.35	492.76	470.09	43.7	43.7	40.7	12.21	12.09	11.55
WHOLESALE TRADE	349.53	341.28	339.33	40.6	39.4	39.3	8.67	8.66	8.38
Wholesale trade-durable goods	335.91	334.40	312.36	39.8	40.0	38.3	8.44	8.46	8.14
Motor vehicles & automotive equipment	277.87	282.35	282.65	38.7	39.6	38.3	7.18	7.13	7.38
Electrical goods	286.50	284.99	242.32	38.2	38.1	37.4	7.50	7.48	7.03
Machinery, equipment, and supplies	375.46	381.35	360.77	39.9	40.1	40.4	9.41	9.51	8.93
Wholesale trade-nondurable goods	355.67	346.50	346.93	41.3	38.5	39.4	8.75	9.00	8.79
Groceries and related products	379.50	367.64	371.65	41.5	40.6	41.9	9.00	9.06	8.87
RETAIL TRADE[f]	102.50	101.96	103.99	24.6	23.5	23.2	5.49	5.49	5.49
General merchandise stores	167.98	166.17	169.02	30.6	30.8	31.9	5.47	5.46	5.40
Department stores	170.89	171.19	172.54	30.7	31.3	31.6	5.56	5.54	5.46
Food stores	219.66	211.29	227.01	31.1	30.8	32.0	6.87	6.86	7.05
Automotive dealers & service stations	223.86	238.68	215.43	36.4	38.3	34.7	6.15	6.25	5.87
Apparel and accessory stores	120.32	115.96	116.19	27.1	26.1	26.5	4.44	4.42	4.46
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	225.60	224.14	217.86	....	....	....	....	....	....
Credit agencies other than banks	219.59	218.02	211.97	....	....	....	....	....	....
Insurance carriers	297.70	297.24	290.92	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
Hotels and other lodging places	.....	.....	.....	....	....	....	....	....	....
Laundry, cleaning, & garment services	.....	.....	.....	....	....	....	....	....	....
Business services	.....	.....	.....	....	....	....	....	....	....
Health services	.....	.....	.....	....	....	....	....	....	....
Hospitals	290.49	288.10	284.35	33.7	33.5	34.3	8.62	8.60	8.29
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes miscellaneous manufacturing. [e]Includes tobacco manufactures. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	250.9	249.9	245.4	.4	2.3
MANUFACTURING	67.8	67.9	65.5	- .1	3.5
Durable Goods[e]	34.9	34.9	32.8	.0	6.5
Stone, clay, and glass products	1.3	1.3	1.5	.9	- 9.1
Fabricated metal products	13.0	13.0	12.2	- .1	7.1
Machinery, except electrical	9.1	9.1	8.8	- .2	3.6
Special industry machinery	1.4	1.4	1.4	.8	6.8
Nondurable Goods[f]	32.9	33.0	32.7	- .3	.6
Food and kindred products	2.8	2.8	2.7	.3	4.0
Chemicals and allied products	2.9	2.9	3.2	- .7	- 10.0
Rubber and misc. plastics products	22.0	22.1	21.5	- .5	1.9
Tires and inner tubes	15.6	15.6	15.5	.0	.8
NONMANUFACTURING[g]	183.1	181.9	179.9	.6	1.8
CONSTRUCTION	8.1	7.6	8.0	7.4	1.9
TRANSPORTATION AND PUBLIC UTILITIES	12.6	12.7	12.7	- .4	- .6
Communication, electric, gas services	5.3	5.3	5.5	- .2	- 3.8
WHOLESALE TRADE	11.6	11.6	11.7	.5	- 1.0
RETAIL TRADE	46.3	46.1	45.4	.4	1.9
FINANCE, INSURANCE, AND REAL ESTATE	9.6	9.6	9.4	.2	1.9
SERVICES	57.3	56.9	55.0	.7	4.2
GOVERNMENT	36.9	36.9	36.9	- .1	- .2
State government (includes education)	10.1	9.0	10.1	12.4	.0
Local government (includes education)	24.5	25.7	24.7	- 4.4	- .6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 198[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$468.70	$476.11	$438.84	43.6	43.8	42.4	$10.75	$10.87	$10.35
Durable Goods[d]	475.89	491.48	441.38	43.5	44.0	42.4	10.94	11.17	10.41
Stone, clay, and glass products	389.75	391.46	368.28	41.2	41.6	39.9	9.46	9.41	9.23
Fabricated metal products	553.41	606.15	494.59	43.0	44.9	42.6	12.87	13.50	11.61
Machinery, except electrical	420.81	413.95	407.68	45.2	44.8	42.6	9.31	9.24	9.57
Special industry machinery	519.48	493.44	427.85	49.1	48.0	43.0	10.58	10.28	9.95
Nondurable Goods[e]	457.98	455.18	435.02	43.7	43.6	42.4	10.48	10.44	10.26
Food and kindred products	456.43	468.86	454.72	44.4	45.3	44.8	10.28	10.35	10.15
Chemicals and allied products	467.41	458.64	471.90	43.0	42.0	42.9	10.87	10.92	11.00
Rubber and misc. plastics products	487.42	484.65	459.22	44.8	45.0	43.2	10.88	10.77	10.63
Tires and inner tubes	665.14	657.76	594.79	48.8	48.4	45.3	13.63	13.59	13.13
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	612.97	632.78	556.32	38.6	40.1	36.6	15.88	15.78	15.20
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	501.02	502.25	469.50	41.0	41.0	40.3	12.22	12.25	11.65
WHOLESALE TRADE	321.16	323.61	301.45	39.6	40.1	39.2	8.11	8.07	7.69
RETAIL TRADE[f]	178.78	177.90	177.21	30.2	30.0	30.5	5.92	5.93	5.81
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	147.9	148.6	144.5	- .5	2.3
MANUFACTURING	45.3	45.3	44.3	.0	2.2
Durable Goods[e]	33.8	33.7	33.6	.2	.5
Stone, clay, and glass products	1.6	1.6	1.8	- .1	- 9.8
Primary metal industries	11.4	11.2	10.8	1.7	5.7
Fabricated metal products	7.3	7.4	7.5	- 1.0	- 2.0
Fabricated structural metal products	1.7	1.7	2.1	.0	- 19.6
Metal forgings and stampings	2.5	2.5	2.2	- 1.3	15.7
Nondurable Goods[f]	11.5	11.6	10.7	- .7	7.7
Food and kindred products	4.2	4.2	3.8	.1	10.9
Rubber and misc. plastics products	2.8	2.9	2.5	- 1.4	13.5
NONMANUFACTURING[g]	102.5	103.3	100.2	- .7	2.3
CONSTRUCTION	5.4	4.9	4.9	9.0	9.8
TRANSPORTATION AND PUBLIC UTILITIES	5.9	5.9	6.0	.0	- 2.3
Communication, electric, gas services	2.7	2.7	2.9	.1	- 4.5
WHOLESALE TRADE	7.6	7.6	7.3	- .1	4.7
RETAIL TRADE	26.5	26.4	26.1	.2	1.3
FINANCE, INSURANCE, AND REAL ESTATE	6.8	6.8	6.4	- .4	4.9
SERVICES	31.9	32.1	31.0	- .6	2.9
GOVERNMENT	17.2	18.2	17.2	- 5.7	- .1
Local government (includes education)	14.4	15.5	14.4	- 6.6	.5

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$437.89	$442.90	$410.89	40.1	40.3	38.8	$10.92	$10.99	$10.59
Durable Goods[d]	454.80	461.90	414.72	40.0	40.2	38.4	11.37	11.49	10.80
Stone, clay, and glass products	279.74	277.03	261.10	39.4	38.8	40.1	7.10	7.14	7.01
Primary metal industries	497.71	499.28	445.33	40.3	40.2	37.9	12.35	12.42	11.75
Fabricated metal products	478.36	530.00	448.09	40.3	42.4	39.1	11.87	12.50	11.46
Fabricated structural metal products	392.18	392.18	377.31	41.5	41.5	35.9	9.45	9.45	10.51
Metal forgings and stampings	563.33	666.82	529.42	41.3	45.3	40.6	13.64	14.72	13.04
Nondurable Goods[e]	388.80	386.92	395.81	40.5	40.6	39.9	9.60	9.53	9.92
Food and kindred products	342.35	348.85	435.20	40.2	39.8	39.6	9.76	9.77	10.99
Rubber and misc. plastics products	443.66	441.50	404.12	43.2	43.2	42.9	10.27	10.22	9.42
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	594.15	573.25	558.84	37.7	36.7	35.8	15.76	15.62	15.61
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	505.40	493.64	462.64	41.7	41.0	40.3	12.12	12.04	11.48
WHOLESALE TRADE	332.76	312.18	308.76	37.6	35.8	37.2	8.85	8.72	8.30
RETAIL TRADE[f]	162.36	161.46	162.64	29.9	29.9	30.4	5.43	5.40	5.35
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	589.8	595.5	573.0	- 1.0	2.9
MANUFACTURING	145.8	145.9	140.0	- .1	4.1
Durable Goods[e]	79.5	79.4	76.5	.1	3.9
Furniture and fixtures	2.0	2.0	2.2	- 1.3	- 8.1
Primary metal industries	2.2	2.2	1.8	- .6	20.5
Fabricated metal products	12.4	12.5	12.0	- .8	3.2
Fabricated structural metal products	3.6	3.6	3.8	- 2.2	- 6.6
Machinery, except electrical	19.1	18.9	18.4	.9	4.0
Metalworking machinery	8.0	7.9	7.8	.9	2.5
General industrial machinery	3.6	3.5	3.4	.7	4.2
Electric and electronic equipment	8.1	8.1	8.2	.1	- .6
Transportation equipment	25.5	25.4	24.2	.1	5.1
Motor vehicles and equipment	10.0	10.1	9.2	- 1.6	8.7
Nondurable Goods[f]	66.3	66.5	63.6	- .2	4.4
Food and kindred products	14.4	14.7	13.8	- 2.4	4.1
Meat products	2.3	2.4	1.8[h]	- .3	27.3
Bakery products	2.5	2.6	2.4	- 1.2	5.7
Beverages	4.0	4.3	4.0	- 6.7	- .6
Apparel and other textile products	3.9	4.0	3.9	- 2.6	- 1.7
Paper and allied products	6.1	6.1	5.8	- .4	4.3
Printing and publishing	11.8	11.7	11.1[h]	1.4	6.7
Chemicals and allied products	22.0	21.9	21.1	.4	4.0
Rubber and misc. plastics products	5.0	4.9	4.4	1.6	12.4
NONMANUFACTURING[g]	444.0	449.6	433.0	- 1.2	2.5
CONSTRUCTION	21.7	21.3	20.9	2.0	3.9
TRANSPORTATION AND PUBLIC UTILITIES	31.1	31.2	31.7	- .4	- 2.1
Communication, electric, gas services	14.1	14.1	15.0	.1	- 5.7
WHOLESALE TRADE	36.4	36.4	36.2	.1	.4
RETAIL TRADE	105.8	105.9	104.0	- .1	1.7
FINANCE, INSURANCE, AND REAL ESTATE	33.8	33.5	33.0	1.0	2.5
Banking	7.5	7.4	7.4	.8	1.1
Insurance carriers	11.4	11.3	11.1	1.1	3.0
SERVICES	137.8	138.2	132.0	- .3	4.3
GOVERNMENT	77.1	82.8	74.7	- 6.9	3.2
Federal government	13.3	13.4	12.5	- .9	6.9
State government (includes education)	16.0	17.9	16.3	- 10.9	- 1.9
Local government	47.7	51.4	45.9	- 7.1	4.0
Local government, except education	22.3	22.0	22.5	1.6	- .5
Local government education	25.4	29.4	23.5	- 13.6	8.4

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$432.19	$437.22	$413.91	41.2	41.6	40.9	$10.49	$10.51	$10.12
Durable Goods[d]	423.32	434.93	396.96	40.9	41.7	40.3	10.35	10.43	9.85
Furniture and fixtures	345.61	357.42	311.98	40.9	42.0	40.1	8.45	8.51	7.78
Primary metal industries	469.04	507.83	400.27	40.4	43.0	37.2	11.61	11.81	10.76
Fabricated metal products	390.05	380.16	391.19	40.8	40.4	42.2	9.56	9.41	9.27
Fabricated structural metal products	413.40	400.18	353.42	43.7	42.8	41.0	9.46	9.35	8.62
Machinery, except electrical	387.45	388.81	354.88	41.0	41.1	38.7	9.45	9.46	9.17
Metalworking machinery	426.78	418.26	381.58	40.3	39.2	37.3	10.59	10.67	10.23
General industrial machinery	342.40	347.49	330.00	40.0	40.5	40.0	8.56	8.58	8.25
Electric and electronic equipment	331.70	330.87	299.14	40.9	41.0	38.9	8.11	8.07	7.69
Transportation equipment	582.82	617.92	538.00	41.6	43.7	41.1	14.01	14.14	13.09
Motor vehicles and equipment	613.96	705.02	591.93	41.4	45.9	42.1	14.83	15.36	14.06
Nondurable Goods[e]	441.15	440.54	433.47	41.5	41.6	41.6	10.63	10.59	10.42
Food and kindred products	509.08	495.79	486.21	44.0	43.3	42.8	11.57	11.45	11.36
Meat products	400.74	402.53	393.72	41.7	41.8	40.8	9.61	9.63	9.65
Bakery products	503.55	480.13	452.13	45.0	43.1	43.6	11.19	11.14	10.37
Beverages	466.28	475.42	447.10	41.3	42.6	42.1	11.29	11.16	10.62
Apparel and other textile products	211.34	215.88	212.41	35.7	36.1	37.2	5.92	5.98	5.71
Paper and allied products	386.90	384.57	375.42	42.1	42.4	41.3	9.19	9.07	9.09
Printing and publishing	412.00	408.83	404.48	40.0	39.5	39.5	10.30	10.35	10.24
Chemicals and allied products	498.84	514.16	510.62	40.1	41.1	42.2	12.44	12.51	12.10
Rubber and misc. plastics products	412.41	393.09	397.42	46.6	46.3	46.7	8.85	8.49	8.51
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	556.14	552.24	563.39	39.0	39.0	38.3	14.26	14.16	14.71
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	470.04	466.88	443.77	39.4	39.3	39.8	11.93	11.88	11.15
WHOLESALE TRADE	361.98	364.99	340.96	40.4	40.6	39.6	8.96	8.99	8.61
RETAIL TRADE[f]	166.47	167.46	165.67	31.0	31.3	31.2	5.37	5.35	5.31
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	231.80	230.14	221.93	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	...	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	833.9	838.6	832.8	- .6	.1
MANUFACTURING	209.8	211.6	206.2	- .9	1.7
Durable Goods[e]	144.9	146.4	143.0	- 1.0	1.3
Furniture and fixtures	2.0	2.1	2.0	- 2.6	1.4
Primary metal industries	23.8	24.2	23.8	- 1.7	.0
Blast furnace and basic steel products	11.4	11.4	12.7	- .2	- 10.2
Iron and steel foundries	5.9	6.1	5.4	- 4.3	9.1
Nonferrous foundries	2.5	2.6	2.3	- 3.0	10.4
Fabricated metal products	31.4	31.9	30.9	- 1.7	1.5
Fabricated structural metal products	3.8	3.8	3.7	.4	2.9
Screw machine products, bolts, etc.	4.1	4.2	4.3	- 3.0	- 5.2
Metal forgings and stampings	10.7	10.9	10.4	- 2.3	2.9
Machinery, except electrical	32.1	32.3	30.7	- .4	4.7
Construction and related machinery	4.8	4.8	5.5	- 1.3	- 12.8
Metalworking machinery	10.4	10.5	10.0	- 1.1	3.7
Special industry machinery	3.3	3.3	2.9	1.1	14.1
General industrial machinery	2.8	2.8	2.6	.2	9.2
Electric and electronic equipment	22.3	22.4	22.0	- .3	1.6
Electrical industrial apparatus	7.5	7.5	7.4	- .1	2.2
Transportation equipment	19.2	19.6	20.1	- 1.8	- 4.4
Motor vehicles and equipment	12.7	13.1	13.7	- 2.9	- 7.4
Instruments and related products	5.9	5.9	5.8	.5	3.2
Nondurable Goods[f]	64.9	65.2	63.2	- .4	2.6
Food and kindred products	7.7	7.7	7.8	- .7	- 1.1
Bakery products	1.8	1.8	1.8	.0	- .6
Beverages	1.6	1.6	1.7	- 1.0	- 6.2
Apparel and other textile products	5.1	5.2	4.8	- 2.5	6.6
Paper and allied products	5.0	5.1	4.8	- 1.6	3.8
Printing and publishing	15.3	15.2	14.8	.9	3.3
Chemicals and allied products	14.4	14.5	14.5	- .6	- .7
Industrial inorganic chemicals	3.2	3.2	3.3	- .5	- 1.4
Rubber and misc. plastics products	11.1	11.3	10.6	- 1.9	5.0
NONMANUFACTURING[g]	624.1	627.0	626.6	- .5	- .4
CONSTRUCTION	26.1	25.4	27.4	2.8	- 4.7
TRANSPORTATION AND PUBLIC UTILITIES	42.0	42.0	42.1	.0	- .3
Communication, electric, gas services	19.7	19.7	20.2	.2	- 2.2
WHOLESALE TRADE	58.0	58.1	58.5	- .2	- .9
RETAIL TRADE	135.0	136.3	134.8	- .9	.1
FINANCE, INSURANCE, AND REAL ESTATE	48.5	48.3	49.5	.5	- 2.0
Banking	12.7	12.6	13.5	.7	- 5.9
Insurance carriers	11.7	11.7	12.2	.1	- 4.7
SERVICES	200.6	201.6	196.2	- .5	2.3
GOVERNMENT	112.7	114.1	117.0	- 1.2	- 3.7
Federal government	19.5	19.5	19.5	.0	- .1
State government (includes education)	7.4	8.1	7.5	- 8.0	- .5
Local government	85.8	86.5	90.0	- .9	- 4.7
Local government, except education	47.3	44.5	50.9	6.2	- 7.1
Local government education	38.5	42.0	39.1	- 8.4	- 1.6

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$438.29	$454.44	$423.46	41.0	42.0	40.6	$10.69	$10.82	$10.43
Durable Goods[d]	461.44	483.08	446.76	41.2	42.6	40.8	11.20	11.34	10.95
Furniture and fixtures	318.67	335.71	312.37	39.1	41.6	38.9	8.15	8.07	8.03
Primary metal industries	501.25	535.94	510.46	40.1	42.2	41.1	12.50	12.70	12.42
Blast furnace and basic steel products	485.83	485.46	471.78	37.2	37.2	36.8	13.06	13.05	12.82
Iron and steel foundries	617.81	718.91	658.88	42.2	47.8	46.4	14.64	15.04	14.20
Nonferrous foundries	343.61	358.26	364.32	41.2	42.0	41.4	8.34	8.53	8.80
Fabricated metal products	455.15	476.33	411.37	42.3	43.5	39.9	10.76	10.95	10.31
Fabricated structural metal products	395.17	377.22	361.67	43.0	42.1	39.7	9.19	8.96	9.11
Screw machine products, bolts, etc.	408.90	438.41	395.69	43.5	46.1	40.5	9.40	9.51	9.77
Metal forgings and stampings	565.73	612.90	498.15	42.6	45.4	41.0	13.28	13.50	12.15
Machinery, except electrical	454.37	475.00	442.00	41.8	43.3	40.7	10.87	10.97	10.86
Construction and related machinery	473.08	477.30	469.20	40.4	40.9	39.1	11.71	11.67	12.00
Metalworking machinery	400.79	417.96	422.54	39.8	41.3	39.9	10.07	10.12	10.59
Special industry machinery	462.58	463.32	446.62	40.4	40.5	40.2	11.45	11.44	11.11
General industrial machinery	413.45	412.06	380.16	42.8	42.7	40.4	9.66	9.65	9.41
Electric and electronic equipment	384.94	389.85	373.35	39.4	39.7	39.3	9.77	9.82	9.50
Electrical industrial apparatus	416.52	414.06	347.72	40.4	40.2	35.7	10.31	10.30	9.74
Transportation equipment	598.88	624.72	560.73	44.1	45.6	43.4	13.58	13.70	12.92
Motor vehicles and equipment	636.92	668.05	601.04	44.2	46.2	44.0	14.41	14.46	13.66
Instruments and related products	357.80	371.84	363.69	39.8	41.5	41.9	8.99	8.96	8.68
Nondurable Goods[e]	376.81	380.70	365.71	40.3	40.5	40.1	9.35	9.40	9.12
Food and kindred products	393.54	399.00	388.96	41.6	42.0	41.6	9.46	9.50	9.35
Bakery products	432.28	432.28	390.26	42.8	42.8	40.4	10.10	10.10	9.66
Beverages	335.48	366.54	349.45	39.1	41.7	41.7	8.58	8.79	8.38
Apparel and other textile products	277.02	270.00	268.03	38.0	37.5	38.4	7.29	7.20	6.98
Paper and allied products	439.64	422.17	400.79	43.4	42.6	42.1	10.13	9.91	9.52
Printing and publishing	370.48	367.26	361.64	36.5	35.9	35.7	10.15	10.23	10.13
Chemicals and allied products	468.84	471.75	445.77	42.2	42.5	41.7	11.11	11.10	10.69
Industrial inorganic chemicals	514.46	514.88	488.64	42.1	42.1	41.8	12.22	12.23	11.69
Rubber and misc. plastics products	325.10	348.08	335.02	41.1	42.5	42.3	7.91	8.19	7.92
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	756.68	761.11	689.89	39.7	39.6	38.2	19.06	19.22	18.06
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	524.28	523.52	487.63	40.8	40.9	40.2	12.85	12.80	12.13
WHOLESALE TRADE	356.00	355.90	338.77	39.6	39.5	39.3	8.99	9.01	8.62
RETAIL TRADE[f]	181.45	179.87	177.61	29.6	29.2	29.9	6.13	6.16	5.94
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	258.25	255.47	247.74	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	514.4	523.5	498.0	- 1.8	3.3
MANUFACTURING	88.2	88.4	83.5	- .2	5.6
Durable Goods[e]	57.0	57.2	52.9	- .4	7.8
Stone, clay, and glass products	9.4	9.5	9.2	- .6	2.8
Fabricated metal products	10.1	10.0	9.3	.4	8.1
Machinery, except electrical	10.0	10.0	9.0	- .7	10.9
Electric and electronic equipment	10.2	10.3	9.8	- 1.2	3.7
Transportation equipment	8.9	9.1	7.9	- 1.2	12.7
Nondurable Goods[f]	31.2	31.2	30.6	.2	1.9
Food and kindred products	10.1	10.0	9.7	.5	3.7
Printing and publishing	8.0	8.1	8.0	- .5	.3
Chemicals and allied products	6.3	6.3	6.0	.3	5.0
Rubber and misc. plastics products	2.8	2.7	2.6	3.4	7.7
NONMANUFACTURING[g]	426.2	435.1	414.5	- 2.1	2.8
CONSTRUCTION	17.6	16.8	16.5	5.2	7.1
TRANSPORTATION AND PUBLIC UTILITIES	23.4	23.3	22.9	.5	2.2
Communication, electric, gas services	11.2	11.2	11.0	.0	1.7
WHOLESALE TRADE	28.0	28.0	27.4	.1	2.4
RETAIL TRADE	97.5	98.3	93.5	- .7	4.4
FINANCE, INSURANCE, AND REAL ESTATE	45.9	45.6	43.7	.7	4.9
Banking	8.8	8.9	8.6	- .3	2.6
Insurance carriers	18.2	18.1	18.0	.5	1.3
SERVICES	117.2	118.5	113.3	- 1.1	3.4
GOVERNMENT	95.9	104.2	96.7	- 7.9	- .8
Federal government	11.9	11.9	11.4	.1	4.9
State government	44.4	49.0	44.1	- 9.3	.6
State government, except education	27.6	27.5	28.4	.5	- 2.8
State government education[i]	16.8	21.5	15.7	- 21.9	6.9
Local government	39.6	43.3	41.3	- 8.5	- 4.0
Local government, except education	18.7	18.2	20.7	2.4	- 9.8
Local government education	20.9	25.1	20.5	- 16.5	1.9

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes. [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Labor Market Information Division
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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$416.77	$417.58	$406.62	40.7	40.7	40.5	$10.24	$10.26	$10.04
Durable Goods[d]	424.44	427.11	424.85	40.5	40.6	40.5	10.48	10.52	10.49
Stone, clay, and glass products	405.22	402.60	391.15	40.2	40.3	40.2	10.08	9.99	9.73
Fabricated metal products	488.09	488.82	505.47	40.2	40.1	41.5	12.14	12.19	12.18
Machinery, except electrical	409.13	413.47	408.92	41.5	42.2	42.2	9.86	9.94	9.69
Electric and electronic equipment	409.45	426.18	417.73	40.3	40.9	41.4	10.16	10.42	10.09
Transportation equipment	530.13	508.32	503.42	43.0	41.7	41.4	12.33	12.19	12.16
Nondurable Goods[e]	397.70	393.98	369.36	41.0	40.7	40.5	9.70	9.68	9.12
Food and kindred products	383.55	378.53	377.36	41.6	41.1	42.4	9.22	9.21	8.90
Printing and publishing	456.58	452.29	438.14	38.4	38.2	38.0	11.89	11.84	11.53
Chemicals and allied products	451.28	455.52	406.00	41.1	41.6	40.6	10.98	10.95	10.00
Rubber and misc. plastics products	328.74	326.90	305.56	42.2	42.4	41.8	7.79	7.71	7.31
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	499.89	497.70	465.20	39.4	39.5	37.7	12.69	12.60	12.87
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	516.48	515.26	475.61	40.7	40.7	39.9	12.69	12.66	11.92
WHOLESALE TRADE	294.32	295.87	316.37	39.4	40.2	40.2	7.47	7.36	7.87
RETAIL TRADE[f]	142.55	158.95	171.05	23.5	28.9	30.6	5.51	5.50	5.59
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
Banking	249.44	239.82	238.32	....	....	....	....	....	....
Insurance carriers	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government	.....	.....	.....	....	....	....	....	....	....
State government, except education	.....	.....	.....	....	....	....	....	....	....
State government education	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	343.3	346.4	331.4	- .9	3.6
MANUFACTURING	91.3	91.4	85.2	- .1	7.2
Durable Goods[e]	63.4	63.5	56.8	- .2	7.8
Stone, clay, and glass products	2.1	2.1	2.0	1.8	5.8
Fabricated metal products	7.2	7.2	6.6	- .4	8.6
Machinery, except electrical	29.4	29.6	26.8	- .8	9.8
Metalworking machinery	6.6	6.7	6.1	- .6	9.1
Electric and electronic equipment	5.0	5.0	4.8	.5	4.2
Electrical industrial apparatus	2.9	2.9	2.8	- .4	3.7
Transportation equipment	13.5	13.3	13.0	1.0	3.6
Nondurable Goods[f]	28.0	28.0	26.4	.1	6.0
Food and kindred products	2.8	2.8	2.8	.1	.6
Paper and allied products	5.8	5.8	5.0	- .6	14.6
Printing and publishing	7.4	7.4	7.1	.7	4.6
Rubber and misc. plastics products	8.2	8.2	8.0	.5	3.5
NONMANUFACTURING[g]	251.9	254.9	246.2	- 1.2	2.3
CONSTRUCTION	10.3	9.9	10.0	4.0	3.3
TRANSPORTATION AND PUBLIC UTILITIES	13.0	13.0	12.9	- .2	.7
Communication, electric, gas services	5.7	5.7	6.0	- .1	- 5.9
WHOLESALE TRADE	17.1	17.0	16.7	.4	2.3
RETAIL TRADE	56.0	56.5	55.2	- .9	1.5
FINANCE, INSURANCE, AND REAL ESTATE	14.3	14.2	14.0	.5	1.7
SERVICES	77.7	78.0	75.1	- .4	3.4
GOVERNMENT	63.3	66.0	62.0	- 4.1	2.0
Federal government	27.1	26.9	26.4	.9	2.8
State government (includes education)	5.4	6.2	5.3	- 12.5	2.4
Local government	30.7	32.9	30.3	- 6.6	1.3
Local government, except education	13.5	13.5	13.5	.6	.2
Local government education	17.2	19.4	16.8	- 11.5	2.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[c]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$482.46	$469.11	$451.31	43.0	42.3	42.1	$11.22	$11.09	$10.72
Durable Goods[d]	492.24	473.09	452.41	43.6	42.5	42.4	11.29	11.13	10.67
Stone, clay, and glass products	393.54	398.54	371.84	42.0	42.9	39.1	9.37	9.29	9.51
Fabricated metal products	378.00	350.17	321.40	43.2	41.1	39.1	8.75	8.52	8.22
Machinery, except electrical	534.60	506.48	466.75	45.0	43.7	42.9	11.88	11.59	10.88
Metalworking machinery	499.22	488.25	441.58	45.8	45.0	42.5	10.90	10.85	10.39
Electric and electronic equipment	338.24	340.65	310.46	41.4	41.9	39.2	8.17	8.13	7.92
Electrical industrial apparatus	375.58	369.60	320.50	42.2	42.0	38.2	8.90	8.80	8.39
Transportation equipment	629.23	609.77	595.82	44.5	43.4	44.2	14.14	14.05	13.48
Nondurable Goods[e]	459.68	458.28	450.53	41.6	41.7	41.6	11.05	10.99	10.83
Food and kindred products	404.70	404.18	386.28	42.2	42.5	39.7	9.59	9.51	9.73
Paper and allied products	417.69	425.04	394.31	43.6	44.6	43.0	9.58	9.53	9.17
Printing and publishing	424.63	416.19	420.92	39.1	38.5	38.3	10.86	10.81	10.99
Rubber and misc. plastics products	572.40	568.16	575.53	42.4	42.4	43.9	13.50	13.40	13.11
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	534.66	522.83	544.66	39.4	38.5	39.1	13.57	13.58	13.93
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	500.21	498.98	467.08	40.8	40.7	40.3	12.26	12.26	11.59
WHOLESALE TRADE	370.66	363.80	336.98	43.2	42.6	41.5	8.58	8.54	8.12
RETAIL TRADE[f]	160.78	162.21	161.87	29.5	29.6	30.2	5.45	5.48	5.36
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Federal government	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	286.4	291.3	277.6	- 1.7	3.2
MANUFACTURING	75.0	75.5	68.9	- .7	8.9
Durable Goods[e]	59.2	59.4	53.2	- .3	11.3
Stone, clay, and glass products	11.2	11.3	11.4	- .6	- 1.2
Primary metal industries	4.1	4.0	3.7	2.6	11.3
Fabricated metal products	8.6	8.7	7.6	- 1.5	13.0
Metal forgings and stampings	4.0	4.1	3.5	- 2.3	12.1
Machinery, except electrical	6.4	6.4	6.1	- .6	5.6
General industrial machinery	1.5	1.5	1.6	- .5	- 6.5
Transportation equipment	20.9	20.9	17.0	- .1	23.0
Motor vehicles and equipment	19.6	19.7	15.8	- .4	23.9
Nondurable Goods[f]	15.8	16.1	15.6	- 2.2	.7
Food and kindred products	3.8	4.0	3.9	- 6.6	- 4.1
Rubber and misc. plastics products	4.3	4.4	3.4	- 3.4	24.2
NONMANUFACTURING[g]	211.4	215.8	208.7	- 2.0	1.3
CONSTRUCTION	10.3	10.0	10.8	2.8	- 4.3
TRANSPORTATION AND PUBLIC UTILITIES	17.8	17.7	17.8	.7	.3
Communication, electric, gas services	7.6	7.5	7.8	1.0	- 3.5
WHOLESALE TRADE	14.5	14.6	14.5	- .4	.3
RETAIL TRADE	49.9	50.4	49.6	- .9	.7
FINANCE, INSURANCE, AND REAL ESTATE	11.0	11.0	10.8	.3	1.8
SERVICES	66.5	66.5	64.3	- .1	3.4
GOVERNMENT	41.0	45.1	40.6	- 9.3	.9
State government (includes education)	10.7	11.9	11.7	- 10.3	- 8.4
Local government	27.4	30.4	26.1	- 9.7	5.0
Local government, except education	13.5	13.0	12.4	3.5	8.4
Local government education	14.0	17.4	13.7	- 19.6	1.8

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$501.12	$504.98	$467.60	43.2	43.3	41.9	$11.60	$11.66	$11.16
Durable Goods[d]	522.00	529.64	484.99	43.5	43.7	42.1	12.00	12.12	11.52
Stone, clay, and glass products	509.68	506.11	482.08	43.6	43.0	42.7	11.69	11.77	11.29
Primary metal industries	500.96	491.90	458.74	45.5	44.8	43.4	11.01	10.98	10.57
Fabricated metal products	446.61	476.73	447.12	41.2	43.3	41.4	10.84	11.01	10.80
Metal forgings and stampings	500.99	535.84	500.07	41.2	43.6	42.2	12.16	12.29	11.85
Machinery, except electrical	446.90	437.44	421.22	42.4	41.9	39.7	10.54	10.44	10.61
General industrial machinery	459.79	456.21	459.00	41.2	41.1	38.8	11.16	11.10	11.83
Transportation equipment	626.92	640.22	555.50	45.2	45.6	42.6	13.87	14.04	13.04
Motor vehicles and equipment	628.73	643.46	555.08	45.2	45.7	42.6	13.91	14.08	13.03
Nondurable Goods[e]	415.38	402.55	405.66	42.0	41.5	41.1	9.89	9.70	9.87
Food and kindred products	457.10	451.11	454.92	42.8	42.8	44.6	10.68	10.54	10.20
Rubber and misc. plastics products	323.01	327.63	320.15	39.2	40.2	38.9	8.24	8.15	8.23
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	614.01	624.47	646.94	37.6	38.5	38.6	16.33	16.22	16.76
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	514.16	503.06	486.21	41.1	40.8	41.1	12.51	12.33	11.83
WHOLESALE TRADE	335.78	331.45	333.50	38.2	37.2	38.6	8.79	8.91	8.64
RETAIL TRADE[f]	160.99	162.69	166.50	28.8	29.0	30.0	5.59	5.61	5.55
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
State government (includes education)	.....	.....	.....	....	....	....	....	....	....
Local government	.....	.....	.....	....	....	....	....	....	....
Local government, except education	.....	.....	.....	....	....	....	....	....	....
Local government education	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JULY 1984

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1984[b]	June 1984[c]	July 1983[c]	June 1984	July 1983
TOTAL	181.6	182.7	178.9	- .6	1.5
MANUFACTURING	55.8	55.6	53.9	.3	3.5
Durable Goods[e]	50.4	50.4	48.9	.1	3.2
Stone, clay, and glass products	1.7	1.6	1.6	6.4	7.7
Primary metal industries	23.2	23.3	22.2	- .7	4.4
Blast furnace and basic steel products	9.3	9.4	9.0	- 1.1	3.9
Fabricated metal products	8.6	8.6	8.0	.3	7.8
Fabricated structural metal products	2.1	2.0	1.9	2.5	7.8
Machinery, except electrical	3.9	3.9	4.0	- .3	- 3.3
Metalworking machinery	1.5	1.5	2.0	- .8	- 23.5
Electric and electronic equipment	2.8	2.7	2.6	1.7	7.0
Transportation equipment	8.8	8.7	9.1	.5	- 3.4
Nondurable Goods[f]	5.4	5.3	5.0	2.3	6.9
NONMANUFACTURING[g]	125.8	127.1	125.0	- 1.0	.6
CONSTRUCTION	5.4	5.3	5.3	2.6	2.1
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.5	7.7	- .3	- 3.0
Communication, electric, gas services	3.1	3.1	3.3	.1	- 6.2
WHOLESALE TRADE	7.9	7.9	7.7	.9	2.6
RETAIL TRADE	34.0	34.1	34.3	- .2	- .7
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.3	7.3	.7	1.9
SERVICES	40.7	40.6	39.7	.1	2.4
GOVERNMENT	22.2	23.7	22.4	- 6.3	- .6
Local government (includes education)	17.2	17.8	17.4	- 3.3	- 1.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1983 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes.

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HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JULY 1984

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]	July 1984[b]	June 1984[c]	July 1983[c]
TOTAL	.....	.....	.....	....	....	....	....	....	....
MANUFACTURING	$577.25	$551.27	$535.46	44.2	42.9	42.7	$13.06	$12.85	$12.54
Durable Goods[d]	596.75	565.45	551.26	44.6	43.0	43.0	13.38	13.15	12.82
Stone, clay, and glass products	368.45	381.81	358.42	38.5	39.2	39.3	9.57	9.74	9.12
Primary metal industries	581.99	561.43	524.40	41.9	41.1	40.0	13.89	13.66	13.11
Blast furnace and basic steel products	513.26	527.83	519.29	39.3	40.2	39.4	13.06	13.13	13.18
Fabricated metal products	570.10	599.32	630.67	42.8	44.1	45.8	13.32	13.59	13.77
Fabricated structural metal products	426.42	417.15	421.47	41.4	40.5	39.5	10.30	10.30	10.67
Machinery, except electrical	465.81	465.75	471.24	40.4	40.5	39.5	11.53	11.50	11.93
Metalworking machinery	475.45	496.51	511.70	42.3	43.9	42.5	11.24	11.31	12.04
Electric and electronic equipment	432.96	424.96	404.06	41.0	41.5	41.4	10.56	10.24	9.76
Transportation equipment	819.84	681.91	663.80	56.0	48.5	49.5	14.64	14.06	13.41
Nondurable Goods[e]	359.60	385.06	356.84	40.0	41.9	39.3	8.99	9.19	9.08
NONMANUFACTURING	.....	.....	.....	....	....	....	....	....	....
CONSTRUCTION	575.92	611.88	585.52	36.8	38.8	37.8	15.65	15.77	15.49
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	....	....	....
Communication, electric, gas services	498.87	496.08	460.35	41.4	41.1	40.1	12.05	12.07	11.48
WHOLESALE TRADE	330.79	334.65	317.55	35.8	36.1	35.6	9.24	9.27	8.92
RETAIL TRADE[f]	171.93	169.90	168.26	29.9	29.6	30.1	5.75	5.74	5.59
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	....	....	....
SERVICES	.....	.....	.....	....	....	....	....	....	....
GOVERNMENT	.....	.....	.....	....	....	....	....	....	....
Local government (includes education)	.....	.....	.....	....	....	....	....	....	....

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

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NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

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